

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
24601-402G

SERIAL NO.  
09/724,693

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

APPLICANT  
Hadlaczky, *et al.*

FILING DATE  
November 28, 2000

GROUP  
1632

U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |   | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | NAME                       | CLASS | SUB<br>CLASS | FILING<br>DATE |
|---------------------|---|-----------------|---|---|---|---|---|---|----------|----------------------------|-------|--------------|----------------|
| RRS                 | A | 4               | 4 | 4 | 1 | 9 | 7 | 2 | 4/10/84  | Pohl,                      | 204   | 180          | 4/8/83         |
|                     | B | 4               | 4 | 7 | 6 | 0 | 0 | 4 | 10/09/84 | Pohl,                      | 204   | 299          | 10/26/83       |
|                     | C | 4               | 5 | 1 | 8 | 5 | 8 | 4 | 5/21/85  | Mark <i>et al.</i>         | 424   | 85           | 12/20/83       |
|                     | D | 4               | 6 | 0 | 8 | 3 | 3 | 9 | 8/2686   | Yoakum <i>et al.</i>       | 435   | 172.2        | 10/25/83       |
|                     | E | 4               | 6 | 8 | 4 | 6 | 1 | 1 | 8/4/87   | Schilperoort <i>et al.</i> | 435   | 172.3        | 7/29/85        |
|                     | F | 4               | 6 | 8 | 6 | 1 | 8 | 6 | 8/11/87  | Sugden                     | 435   | 243          | 9/26/84        |
|                     | G | 4               | 7 | 8 | 4 | 7 | 3 | 7 | 11/15/88 | Ray <i>et al.</i>          | 204   | 180.1        | 4/18/86        |
|                     | H | 4               | 8 | 0 | 6 | 4 | 7 | 6 | 2/21/89  | Coons <i>et al.</i>        | 435   | 172.2        | 8/13/85        |
|                     | I | 4               | 8 | 7 | 3 | 1 | 9 | 1 | 10/10/89 | Wagner <i>et al.</i>       | 435   | 172.3        | 8/18/86        |
|                     | J | 4               | 8 | 7 | 3 | 3 | 1 | 6 | 10/10/89 | Meade, <i>et al.</i>       | 530   | 412          | 6/23/87        |
|                     | K | 4               | 9 | 0 | 6 | 5 | 7 | 6 | 3/06/90  | Marshall, III              | 435   | 287          | 5/8/87         |
|                     | L | 4               | 9 | 2 | 3 | 8 | 1 | 4 | 5/8/90   | Marshall, III              | 435   | 173          | 4/26/89        |
|                     | M | 4               | 9 | 3 | 5 | 3 | 5 | 0 | 6/19/90  | Patel <i>et al.</i>        | 435   | 69.4         | 11/18/85       |
|                     | N | 4               | 9 | 4 | 6 | 9 | 5 | 2 | 8/7/90   | Kiefer                     | 536   | 27           | 4/1/88         |
|                     | O | 4               | 9 | 5 | 5 | 3 | 7 | 8 | 9/11/90  | Grasso                     | 128   | 421          | 1/17/89        |
|                     | P | 4               | 9 | 7 | 0 | 1 | 6 | 2 | 11/13/90 | Aksamit                    | 435   | 240.26       | 11/13/85       |
|                     | Q | 4               | 9 | 9 | 7 | 7 | 6 | 4 | 3/5/91   | Dalla Favera               | 435   | 240.27       | 4/23/87        |
|                     | R | 5               | 0 | 1 | 9 | 0 | 3 | 4 | 5/28/91  | Weaver <i>et al.</i>       | 604   | 20           | 3/20/89        |
|                     | S | 5               | 0 | 2 | 1 | 3 | 4 | 4 | 6/4/91   | Armau <i>et al.</i>        | 435   | 172.3        | 8/30/85        |
|                     | T | 5               | 0 | 6 | 3 | 1 | 6 | 2 | 11/5/91  | Kiefer                     | 435   | 270          | 5/9/90         |
|                     | U | 5               | 1 | 1 | 8 | 6 | 2 | 0 | 6/2/92   | Armau <i>et al.</i>        | 435   | 172.3        | 3/1/91         |
|                     | V | 5               | 1 | 4 | 4 | 0 | 1 | 9 | 9/1/92   | Rossi <i>et al.</i>        | 536   | 27           | 6/21/89        |
|                     | W | 5               | 1 | 4 | 9 | 7 | 9 | 6 | 9/22/92  | Rossi <i>et al.</i>        | 536   | 27           | 4/30/91        |
|                     | X | 5               | 1 | 6 | 2 | 2 | 1 | 5 | 11/10/92 | Bosselman <i>et al.</i>    | 435   | 172.3        | 9/22/88        |
| RRS                 | Y | 5               | 2 | 1 | 5 | 9 | 1 | 4 | 6/1/93   | Lo <i>et al.</i>           | 435   | 253.1        | 12/2/91        |

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|---------------------|----|-----------------|---|---|---|---|---|---|----------|----------------------------|-------|--------------|----------------|
| <i>RRS</i>          | Z  | 5               | 2 | 2 | 3 | 2 | 6 | 3 | 6/29/93  | Hostetler <i>et al.</i>    | 424   | 4450         | 6/28/89        |
|                     | AA | 5               | 2 | 4 | 0 | 8 | 4 | 0 | 8/31/93  | Feinberg <i>et al.</i>     | 435   | 172.3        | 4/5/91         |
|                     | AB | 5               | 2 | 4 | 0 | 8 | 4 | 6 | 8/31/93  | Collins <i>et al.</i>      | 435   | 240.1        | 9/18/90        |
|                     | AC | 5               | 2 | 6 | 0 | 1 | 9 | 1 | 11/9/93  | Yang                       | 435   | 6            | 1/30/92        |
|                     | AD | 5               | 2 | 6 | 6 | 6 | 0 | 0 | 11/30/93 | Tenmyo <i>et al.</i>       | 514   | 691          | 10/30/92       |
|                     | AE | 5               | 2 | 7 | 2 | 2 | 6 | 2 | 12/21/93 | Rossi <i>et al.</i>        | 536   | 23.2         | 10/19/90       |
|                     | AF | 5               | 2 | 8 | 8 | 6 | 2 | 5 | 2/22/94  | Hadlaczky                  | 435   | 172.2        | 9/13/91        |
|                     | AG | 5               | 2 | 9 | 2 | 6 | 5 | 8 | 3/8/94   | Cormier <i>et al.</i>      | 435   | 252.33       | 6/17/93        |
|                     | AH | 5               | 2 | 9 | 8 | 4 | 2 | 9 | 3/29/94  | Evans <i>et al.</i>        | 436   | 501          | 12/10/91       |
|                     | AI | 5               | 3 | 0 | 0 | 4 | 3 | 1 | 4/5/94   | Pierce <i>et al.</i>       | 435   | 172.3        | 2/26/91        |
|                     | AJ | 5               | 3 | 2 | 4 | 6 | 5 | 5 | 6/28/94  | Kriegler <i>et al.</i>     | 435   | 240.2        | 2/18/92        |
|                     | AK | 5               | 3 | 5 | 4 | 6 | 7 | 4 | 10/11/94 | Hodgson                    | 435   | 172.3        | 10/29/92       |
|                     | AL | 5               | 3 | 5 | 8 | 8 | 6 | 6 | 10/25/94 | Mullen <i>et al.</i>       | 435   | 240.2        | 7/3/91         |
|                     | AM | 5               | 3 | 6 | 4 | 7 | 6 | 1 | 11/15/94 | Ariga                      | 435   | 6            | 11/5/92        |
| **                  | AN | 5               | 3 | 8 | 7 | 7 | 4 | 2 | 02/07/95 | Cordell                    | 800   | 2            | 06/17/91       |
|                     | AO | 5               | 3 | 9 | 6 | 7 | 6 | 7 | 3/14/95  | Suzuki                     | 60    | 298          | 2/8/93         |
|                     | AP | 5               | 4 | 0 | 9 | 8 | 1 | 0 | 4/25/95  | Larder <i>et al.</i>       | 435   | 5            | 12/1/92        |
|                     | AQ | 5               | 4 | 1 | 3 | 9 | 1 | 4 | 5/9/95   | Franzusoff                 | 435   | 23           | 7/7/93         |
|                     | AR | 5               | 4 | 1 | 8 | 1 | 5 | 5 | 5/23/95  | Cormier <i>et al.</i>      | 435   | 189          | 12/14/93       |
|                     | AS | 5               | 4 | 2 | 4 | 4 | 0 | 9 | 6/13/95  | Ely <i>et al.</i>          | 536   | 23.71        | 9/29/89        |
|                     | AT | 5               | 4 | 3 | 4 | 0 | 8 | 6 | 7/18/95  | Collins <i>et al.</i>      | 436   | 125          | 12/9/93        |
| **                  | AU | 5               | 4 | 3 | 4 | 3 | 4 | 0 | 07/18/95 | Krimpenfort <i>et al.</i>  | 800   | 2            | 07/27/92       |
|                     | AV | 5               | 4 | 3 | 6 | 3 | 9 | 2 | 7/25/95  | Thomas <i>et al.</i>       | 800   | 205          | 12/21/92       |
|                     | AW | 5               | 4 | 4 | 9 | 6 | 0 | 4 | 9/12/95  | Schellenberg <i>et al.</i> | 435   | 6            | 10/21/92       |
| <i>RRS</i>          | AX | 5               | 4 | 5 | 3 | 3 | 5 | 7 | 9/26/95  | Hogan                      | 435   | 7.21         | 10/8/92        |

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|---------------------|----|-----------------|---|---|---|---|---|---|----------|---------------------------|-------|--------------|----------------|
| RR                  | AY | 5               | 4 | 5 | 7 | 1 | 8 | 2 | 10/10/95 | Weiderrecht <i>et al.</i> | 530   | 402          | 2/15/94        |
|                     | AZ | 5               | 4 | 6 | 1 | 0 | 3 | 2 | 10/24/95 | Krapcho <i>et al.</i>     | 514   | 12           | 3/18/94        |
|                     | BA | 5               | 4 | 6 | 8 | 6 | 1 | 5 | 11/21/95 | Chio <i>et al.</i>        | 435   | 7.2          | 7/1/93         |
|                     | BB | 5               | 4 | 6 | 8 | 6 | 3 | 4 | 11/21/95 | Liu                       | 435   | 240.2        | 1/13/95        |
|                     | BC | 5               | 4 | 7 | 0 | 7 | 0 | 8 | 11/28/95 | Yang <i>et al.</i>        | 435   | 6            | 4/2/93         |
|                     | BD | 5               | 4 | 7 | 0 | 7 | 3 | 0 | 11/28/95 | Greenberg <i>et al.</i>   | 435   | 172.3        | 8/8/94         |
|                     | BE | 5               | 4 | 8 | 2 | 9 | 2 | 8 | 1/9/96   | De Bolle <i>et al.</i>    | 514   | 12           | 3/10/92        |
|                     | BF | 5               | 4 | 8 | 9 | 5 | 2 | 0 | 2/6/96   | Adams <i>et al.</i>       | 435   | 172.3        | 4/26/94        |
|                     | BG | 5               | 4 | 9 | 1 | 0 | 7 | 5 | 2/13/96  | Desnick <i>et al.</i>     | 435   | 69.7         | 6/17/94        |
| **                  | BH | 5               | 4 | 9 | 1 | 2 | 8 | 3 | 02/13/96 | Groffen <i>et al.</i>     | 800   | 2            | 01/14/93       |
|                     | BI | 5               | 4 | 9 | 6 | 7 | 3 | 1 | 3/5/96   | Xu <i>et al.</i>          | 435   | 320.1        | 3/25/93        |
|                     | BJ | 5               | 5 | 0 | 1 | 6 | 6 | 2 | 3/26/96  | Hofmann                   | 604   | 20           | 9/12/94        |
|                     | BK | 5               | 5 | 0 | 1 | 9 | 6 | 7 | 3/26/96  | Offringa <i>et al.</i>    | 435   | 172.3        | 7/6/93         |
|                     | BL | 5               | 5 | 0 | 3 | 9 | 9 | 9 | 4/2/96   | Jilka <i>et al.</i>       | 435   | 172.3        | 1/3/95         |
|                     | BM | 5               | 5 | 4 | 3 | 3 | 1 | 9 | 08/06/96 | Fournier <i>et al.</i>    | 415   | 354          | 03/31/95       |
| **                  | BN | 5               | 7 | 1 | 2 | 1 | 3 | 4 | 01/27/98 | Hadlaczký                 | 435   | 465          | 1/19/95        |
|                     | BO | 5               | 7 | 2 | 1 | 1 | 1 | 8 | 02/24/98 | Scheffler                 | 435   | 69.1         | 10/29/96       |
| **                  | BP | 5               | 8 | 9 | 1 | 6 | 9 | 1 | 04/06/99 | Hadlaczký                 | 435   | 465          | 10/21/96       |
|                     | BQ | 6               | 0 | 2 | 5 | 1 | 5 | 5 | 02/15/00 | Hadlackzky <i>et al.</i>  | 435   | 69.1         | 08/07/96       |
|                     | BR | 6               | 0 | 7 | 7 | 6 | 9 | 7 | 06/20/00 | Hadlackzky <i>et al.</i>  | 435   | 6            | 07/15/96       |
| ** RR               | BS | 6               | 1 | 3 | 3 | 5 | 0 | 3 | 10/17/00 | Scheffler                 | 800   | 21           | 02/17/98       |
|                     |    |                 |   |   |   |   |   |   |          |                           |       |              |                |
|                     |    |                 |   |   |   |   |   |   |          |                           |       |              |                |
|                     |    |                 |   |   |   |   |   |   |          |                           |       |              |                |
| l                   |    |                 |   |   |   |   |   |   |          |                           |       |              |                |

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|     |    | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | COUNTRY | CLASS   | SUB<br>CLASS | Translation<br>Yes No |   |
|-----|----|-----------------|---|---|---|---|---|---|----------|---------|---------|--------------|-----------------------|---|
| RMS | BT | 0               | 2 | 4 | 0 | 3 | 7 | 3 | 10/7/87  | EP      | --      | --           | X                     |   |
| RMS | BU | 0               | 2 | 5 | 4 | 3 | 1 | 5 | 1/27/88  | EP A2   | --      | --           |                       |   |
|     | BV | 0               | 2 | 5 | 4 | 3 | 1 | 5 | 1/17/88  | EP A3   | --      | --           |                       |   |
|     | BW | 0               | 2 | 5 | 4 | 3 | 1 | 5 | 1/27/88  | EP B1   | --      | --           |                       |   |
|     | BX | 0               | 3 | 5 | 0 | 0 | 5 | 2 | 1/10/90  | EP      | A01K 67 | 02           |                       |   |
|     | BY | 0               | 3 | 7 | 5 | 4 | 0 | 6 | 6/27/90  | EP A2   | --      | --           |                       |   |
|     | BZ | 0               | 3 | 7 | 5 | 4 | 0 | 6 | 6/27/90  | EP      | A01K 67 | 027          |                       |   |
|     | CA | 0               | 4 | 7 | 3 | 2 | 5 | 3 | 3/4/92   | EP      | C12N 15 | 85           |                       |   |
|     | CB | 0               | 5 | 3 | 2 | 0 | 5 | 0 | 9/14/92  | EP A2   | --      | --           |                       |   |
|     | CC | 9               | 1 | 0 | 0 | 3 | 5 | 8 | 1/10/91  | PCT     | C12N 15 | 87           |                       |   |
|     | CD | 9               | 2 | 1 | 4 | 8 | 1 | 9 | 9/3/92   | PCT     | --      | --           |                       |   |
|     | CE | 9               | 2 | 1 | 7 | 5 | 8 | 2 | 10/15/92 | PCT     | --      | --           |                       |   |
| **  | CF | 9               | 3 | 2 | 5 | 5 | 6 | 7 | 12/23/93 | PCT     | --      | --           |                       |   |
|     | CG | 9               | 4 | 1 | 9 | 4 | 5 | 6 | 9/1/94   | PCT     | C12N 5  | 0.00         |                       |   |
|     | CH | 9               | 4 | 2 | 3 | 0 | 4 | 9 | 10/13/94 | PCT     | --      | --           |                       |   |
|     | CI | 9               | 4 | 2 | 4 | 3 | 0 | 0 | 10/27/94 | PCT     | --      | --           |                       | X |
|     | CJ | 9               | 5 | 0 | 0 | 1 | 7 | 8 | 1/5/95   | PCT     | A61K 48 | 0.00         |                       |   |
|     | CK | 9               | 5 | 0 | 7 | 6 | 4 | 3 | 3/23/95  | PCT     | A47G 7  | 20           |                       |   |
|     | CL | 9               | 5 | 1 | 4 | 7 | 6 | 9 | 6/1/95   | PCT     | C12N 5  | 00           |                       |   |
|     | CM | 9               | 5 | 2 | 0 | 0 | 4 | 4 | 7/27/95  | PCT     | C12N    | 15           |                       |   |
|     | CN | 9               | 5 | 2 | 9 | 9 | 9 | 2 | 11/9/95  | PCT     | --      | --           |                       |   |
|     | CO | 9               | 5 | 3 | 2 | 2 | 9 | 7 | 11/30/95 | PCT     | --      | --           |                       |   |
|     | CP | 9               | 6 | 4 | 0 | 9 | 6 | 5 | 12/19/96 | PCT     | --      | --           |                       |   |
|     | CQ | 9               | 7 | 0 | 7 | 6 | 6 | 8 | 03/06/97 | PCT     | --      | --           |                       |   |
| RMS | CR | 9               | 7 | 0 | 7 | 6 | 6 | 9 | 03/06/97 | PCT     | --      | --           |                       |   |

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| <i>RM</i>    | CS | 9               | 7 | 1 | 6 | 5 | 3 | 3 | 05/09/97 | PCT     | --    | --           |                       |  |
| ** <i>RM</i> | CT | 9               | 7 | 4 | 0 | 1 | 8 | 3 | 10/30/97 | PCT     | --    | --           |                       |  |
|              |    |                 |   |   |   |   |   |   |          |         |       |              |                       |  |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|           |    |  |
|-----------|----|--|
| <i>RM</i> | CU | "Guide to Techniques in Mouse Development", <i>Methods in Enzymology</i> 25:803-932, (1993).   |
|           | CV | "Transfection of DNA into eukaryotic cells", <i>Current Protocols in Molecular Biology</i> , Vol. 1, Wiley Inter-Science, Supplement 14, Unit 9.1.1-9.1.9, (1990).   |
|           | CW | "Why are MACs in vogue", <i>Chromos Molecular Systems - News Release</i> (May 29, 1996), (available at <a href="http://www.chromos.com/contents.html">http://www.chromos.com/contents.html</a> )   |
|           | CX | Albrecht, <i>et al.</i> , "Cationic lipide mediated tranfer of c-abl and bcr antisense oligonucleotides to immature normal myeloid cells: Uptake, biological effects and modulation of gene expression*", <i>Ann Hematol</i> 72:73-79, (1996). |
|           | CY | Baker, <i>et al.</i> , "Suppression of human colorectal carcinoma cell growth by wild-type p53", <i>Science</i> 249:912-915, (1990).   |
|           | CZ | Barnett <i>et al.</i> , Telomere directed fragmentation of mammalian chromosomes, <i>Nucleic Acids Res.</i> 21 (1): 27-36 (1993)   |
|           | DA | Bartholdi, <i>et al.</i> , Chromosome sorting by flow cytometry, <i>Meth. Enzy.</i> , 151:253-267, 1987  |
|           | DB | Beck von Bodman, <i>et al.</i> , "Expression of multiple eukaryotic cells from a single promoter," in <i>Nicotina, Bio/Technology</i> 13:587-591, (1995).  |
|           | DC | Biggin, <i>et al.</i> , "Buffer gradient gels and <sup>35</sup> S label as an aid to rapid DNA sequence determination", <i>Proc. Natl. Acad. Sci. USA</i> , 80:3963-3965, (1983).  |
|           | DD | Blackburn, <i>et al.</i> , "The molecular structure of centromeres and telomeres", <i>Ann. Rev. Biochem.</i> , 53:163-194, (1984).   |
| <i>RM</i> | DE | Blattner, <i>et al.</i> , "Charon phages: Safer derivatives of bacteriophage lambda for DNA cloning", <i>Science</i> 196:16, (1977).   |

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|          |    |  |
|----------|----|--|
| RM       | DF | Blennow, <i>et al.</i> , Swedish survey on extra structurally abnormal chromosomes in 39 105 consecutive prenatal diagnoses: Prevalence and characterization by fluorescence <i>in situ</i> hybridization, <u>Prenatal Diagnosis</u> , 14:1019-1028, 1994                                  |
|          | DG | Blumenthal, <i>et al.</i> , Rapid isolation of metaphase chromosome containing high molecular weight DNA, <u>J. Cell Biol.</u> , 81:255-259, 1979  |
|          | DH | Bostock and Clark, "Satellite DNA in large marker chromosomes of methotrexate-resistant mouse cells", <u>Cell</u> 19: 709-715, (1980).   |
|          | DI | Bostock and Christie, "Analysis of the frequency of sister chromatid exchange in different regions of chromosomes of the Kangaroo rat," ( <i>Dipodomys ordii</i> ), <u>Chromosoma</u> 56: 275-287, (1976).   |
|          | DJ | Bower, "Constructing a fully defined human minichromosome: Cloning a centromere", <u>Proc. 4th Eur. Congress Biotechnol.</u> 3:571, (1987).  |
|          | DK | Brazolot, <i>et al.</i> , "Efficient transfection of chicken cells by lipofection and introduction of transfected blastoderm cells into the embryo", <u>Mol. Repro. Dev.</u> 30:304-312, (1993).   |
|          | DL | Brewer and Fangman, "The localization of replication origins on ARS plasmids", in <i>S. cerevisiae</i> , <u>Cell</u> 51:463-471, (1987).   |
| **       | DM | Brinster <i>et al.</i> , Factors affecting the efficiency of introducing foreign DNA into mice by microinjecting eggs, <u>Proc. Natl. Acad. Sci. USA</u> 82:4438-4442 (1985).  |
|          | DN | Brisson and Hohn, "[27] Plant virus vectors: Cauliflower mosaic vectors", <u>Methods for Plant Molecular Biology</u> , Weissbach <i>et al.</i> , eds., Academic Press, N.Y., Section VIII, pp. 437-446, (1988).  |
|          | DO | Brondum-Nielsen and Mikkelsen, A 10-year survey, 1980-1990, of prenatally diagnosed small supernumerary marker chromosomes, indentified by fish analysis. Outcome and follow-up of 14 cases diagnosed in a series of 12 699 prenatal samples, <u>Prenatal Diagnosis</u> , 15:615-619, 1995 |
| **       | DP | Brown <i>et al.</i> , Artificial chromosomes: ideal vectors? <u>TIBTECH</u> 18:218-223 (May, 2000).  |
|          | DQ | Brown <i>et al.</i> , Mammalian artificial chromosomes, <u>Current Opinion: Genetics and Devt.</u> 6: 281-288 (1996).  |
|          | DR | Brown, "Mammalian artificial chromosomes", <u>Curr. Opin. Genes Dev.</u> 2:479-486, (1992).  |
| **<br>RM | DS | Bühler <i>et al.</i> , Rabbit $\beta$ -Casein Promoter Directs Secretion of Human Interleukin-2 into the Milk of Transgenic Rabbits, <u>Bio/Technology</u> 8:140-143 (1990).   |

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|   | FILING DATE<br>November 28, 2000      | GROUP<br>1632            |

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| RMS | DT | Bullock and Botchan, "Molecular events in the excision of SV40 DNA from the chromosomes of cultured mammalian cells," In: <i>Gene Amplification</i> , Schimke RT, ed. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press, pp 215-224, (1982). |
|     | DU | Burhans and Huberman, "DNA replication origins in animal cells - a question of context?" <i>Science</i> 263: 639-640, (1994).  |
|     | DV | Burhans <i>et al.</i> , "Identification of an origin of bidirectional DNA replication in mammalian chromosomes", <i>Cell</i> 62:955-965, (1990).   |
|     | DW | Burke, <i>et al.</i> , "Cloning of large segments of exogenous DNA into yeast by means of artificial chromosome vectors", <i>Science</i> , 236:806-812, (1987).  |
|     | DX | Burki, <i>et al.</i> , Zonal fractionation of mammalian metaphase chromosomes and determination of their DNA content, <i>Prep. Bioch.</i> , 3(2):157-182, 1973   |
| **  | DY | Calos, M.P., The Potential of Extrachromosomal Replicating Vectors for Gene Therapy, <i>TIG</i> 12(11):463-66 (1996).  |
|     | DZ | Carine, <i>et al.</i> , "Chinese hamster cells with a minichromosome containing centromere region of human chromosome 1", <i>Somatic Cell Molec. Genet.</i> 12:479-491, (1986).  |
|     | EA | Carine, <i>et al.</i> , "Molecular characterization of human minichromosomes with centromere from chromosome 1 in hamster-human hybrids", <i>Somatic Cell Molec. Genet.</i> 15(5):445-460, (1989).   |
|     | EB | Carrano and Wolff, "Distribution of sister chromatid exchanges in the euchromatin and heterochromatin of the Indian muntjac", <i>Chromosoma</i> 53:361-369, (1975).  |
|     | EC | Carrano, <i>et al.</i> , Measurement and purification of human chromosomes by flow cytometry and sorting, <i>Proc. Natl. Acad. Sci. USA</i> , 76(3):1382-1384, 1979  |
|     | ED | Carsience, <i>et al.</i> , "Germline chimeric chickens from dispersed donor blastodermal cells and compromised recipient embryos", <i>Develop</i> 117:669-675, (1993).   |
|     | EE | Chalfie, <i>et al.</i> , "Green fluorescent protein as a marker for gene expression", <i>Science</i> 263:802-804, (1994).  |
|     | EF | Chang, <i>et al.</i> , "Ribozyme-mediated site-specific cleavage of the HIV-1 genome", <i>Clin. Biotech.</i> 2:23-31, (1990).  |
|     | EG | Chen, <i>et al.</i> , "Genetic mechanism of tumor suppression by the human p53 gene", <i>Science</i> 250:1576, (1990).   |
| RMS | EH | Chen, <i>et al.</i> , "High-efficiency transformation of mammalian cells by plasmid DNA", <i>Mol. Cell. Biol.</i> 7:2745-2752, (1987).   |

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| RMS | EI | Chick, <i>et al.</i> , "Beta cell culture on synthetic capillaries: an artificial endocrine pancreas", Elliot P. Joslin Research Laboratory, Harvard Medical School, p. 847-849, (1975).   |
|     | EJ | Chikashige <i>et al.</i> , "Composite motifs and repeat symmetry in <i>S. pombe</i> centromeres: Direct analysis by integration of NotI restriction sites", <i>Cell</i> 57:739-751, (1989).  |
|     | EK | Chisari <i>et al.</i> , A transgenic mouse model of the chronic hepatitis B surface antigen carrier state, <i>Science</i> 230: 1157-1160 (1985).   |
| **  | EL | Choo, K.H.A., Turning on the centromere, <i>Nature Genetics</i> 18: 3-4 (1998).  |
|     | EM | Church, "Replication of chromatin in mouse mammary epithelial cells grown <i>in vitro</i> ," <i>Genetics</i> 52: 843-849, (1965).  |
|     | EN | Clarke, <i>et al.</i> , "The structure and function of yeast centromeres", <i>Ann. Rev. Genet.</i> 19:29-56, (1985).   |
|     | EO | Coffman, <i>et al.</i> , <i>In Vitro</i> replication of plasmids containing human ribosomal gene sequences: Origin localization and dependence on an aprotinin-binding cytosolic protein, <i>Exp. Cell Resh.</i> , 209:123-132, 1993 |
|     | EP | Colbère-Garapin, <i>et al.</i> , "A new dominant hybrid selective marker for higher eukaryotic cells", <i>J. Mol. Biol.</i> 150:1-14, (1981).  |
|     | EQ | Collard, <i>et al.</i> , Separation and analysis of human chromosomes by combined velocity sedimentation and flow sorting applying single- and dual-laser flow cytometry, <i>Cytometry</i> , 5:9-19, 1984                            |
|     | ER | Collins and Newlon, "Chromosomal DNA replication initiates at the same origins in meiosis and mitosis", <i>Mol Cell Biol</i> 14:3524-3534, (1994).   |
|     | ES | Conte <i>et al.</i> , Characterization of two extreme variants involving the short arm of chromosome 22: are they identical?, <i>Variant Chromosome</i> 40(3):145-149 (1997).  |
|     | ET | Cooke, Non-programmed and engineered chromosome breakage, <i>Cold Spring Harbor Monograph Series</i> 29: 219-245 (1995)  |
|     | EU | Cooper and Tyler-Smith, "The putative centromere-forming sequence of $\lambda$ CM8 is a single copy sequence and is not a component of most human centromeres", <i>Hum. Mol. Gen.</i> 1(9):753-754, (1992).                          |
|     | EV | Couto, <i>et al.</i> , "Inhibition of intracellular <i>histoplasma capsulatum</i> replication by murine macrophages that produce human defensin", <i>Infect. Immun.</i> 62:2375-2378, (1994).  |
| RMS | EW | Cram, <i>et al.</i> , "Polyamine buffer for bivariate human flow cytogenetic analysis and sorting", <i>Methods in Cell Biology</i> 33:377-382, (1990).   |

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|        | EY | Cram, <i>et al.</i> , Univariate analysis of metaphase chomosomes using the hypotonic potassium chloride-propidium iodide protocol, <u>Meth. Cell Biol.</u> , 33:369-376, 1990   |
|        | EZ | Cross <i>et al.</i> , The structure of subterminal repeated sequence present on many human chromosomes, <u>Nucleic Acids Res.</u> 18(22): 6649 - 6657 (1990)   |
| **     | FA | Crystal, R.G., Transfer of Genes to Humans: Early Lessons and Obstacles to Success, <u>Science</u> 270:404-410 (1995).   |
|        | FB | Current state of the art, <u>Chromos Molecular Systems - News Release</u> (May 29, 1996) (available at <a href="http://www.chromos.com/contents.html">http://www.chromos.com/contents.html</a> )   |
|        | FC | Cuthbert <i>et al.</i> , Construction and charaterization of a highly stable human:rodent monochromosomal hybrid panel for genetic complementation and genome mapping studies, <u>Cytogenet Cell Genet</u> 71:68-76 (1995).                  |
|        | FD | Cutler, "Electroporation: Being developed to transform crops", <u>Ag Biotechnology News</u> 7:3, (September/October 1990).   |
|        | FE | Davidson, <i>et al.</i> , "Improved techniques for the induction of mammalian cell hybridisation by polyethylene glycol", <u>Somatic Cell. Genet.</u> 2:165-176, (1976).   |
|        | FF | Dean, <i>et al.</i> , "Multiple mutations in highly conserved residues are found in mildly affected cystic fibrosis patients", <u>Cell</u> 61:863-870, (1990).   |
|        | FG | DePamphilis, "Eukaryotic DNA replication: Anatomy of an origin", <u>Annu. Rev. Biochem.</u> 62:29-63, (1993).  |
|        | FH | Depinet <i>et al.</i> , Characterization of neo-centromeres in marker chromosomes lacking detectable alpha-satellite DNA, <u>Human Molecular Genetics</u> 6(8):1195-1204 (1997).   |
|        | FI | Dhar, <i>et al.</i> , "Transfer of Chinese Hamster Chromosome 1 to Mouse Cells and Regional Assignment of 7 Genes: A Combination of Gene Transfer and Microcell Fusion", <u>Somatic Cell and Molecular Genetics</u> , 10:(6)547-559, (1984). |
| **     | FJ | Dickson <i>et al.</i> , Human ribosomal DNA: conserved sequence elements in a 4.3-kb region downstream from the transcription unit, <u>Gene</u> 84:197-200 (1989)  |
|        | FK | Dieken, <i>et al.</i> , "Efficient modification of human chromosomal allesles using recombination-proficient chicken/human microcell hybrids", <u>Nature Genet.</u> 12:174-182, (1996).  |
| ** RRS | FL | Drohan, Transgenic Animals: "Great and Small," <u>Journal of Cellular Biochemistry</u> 49:111-112 (1992).  |

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| **       | FN | Ebert <i>et al.</i> , Transgenic Production of a Variant of Human Tissue-type Plasminogen Activator in Goat Milk: Generation of Transgenic Goats and Analysis of Expression, <i>Bio/Technology</i> 9:835-838 (1991).              |
|          | FO | Eissenberg and Elgin, Boundary functions in the control of gene expression, <i>Trends in Genet.</i> , 7(10):335-340, 1991   |
|          | FP | Erlich, <i>et al.</i> , "Recent advances in the polymerase chain reaction", <i>Science</i> 252:1643-1651, (1991).   |
|          | FQ | Etches, <i>et al.</i> , "Chimeric chickens and their use in manipulation of the chicken genome", <i>Poultry Sci.</i> 72:882-889, (1993).  |
| **       | FR | Eyestone, Production and breeding of transgenic cattle using in vitro embryo production technology, <i>Theriogenology</i> 51:509-517 (1999).  |
| **       | FS | Fabb <i>et al.</i> , Generation of novel human MHC class II mutant B-cell lines by integrating YAC DNA into a cell line homozygously deleted for the MHC class II region, <i>Human Molecular Genetics</i> 6(8): 1295-1304 (1997). |
|          | FT | Fangman and Brewer, "A question of time: replication origins of eukaryotic chromosomes", <i>Cell</i> 71: 363-366, (1992).   |
|          | FU | Farr, <i>et al.</i> , "Generation of a human X-derived minichromosome using telomere-associated chromosome fragmentation", <i>EMBO J.</i> 14:5444-5454, (1995).   |
|          | FV | Farr, Mammalian telomeres and chromosome fragmentation, <i>Cell Devtl. Biol.</i> 7: 41-48 (1996)  |
|          | FW | Farrel, <i>et al.</i> , "p53 is frequently mutated in Burkitt's lymphoma cell lines", <i>EMBO J.</i> 10:2879-2887, (1991).  |
|          | FX | Fátyol, <i>et al.</i> , "Cloning and molecular characterization of a novel chromosome specific centromere sequence of Chinese hamster", <i>Nucl. Acids Res.</i> 22:3728-3736, (1994).   |
| **       | FY | Featherstone and Huxley, Extrachromosomal maintenance and amplification of yeast artificial chromosomes, <i>Genomics</i> 17:267-278 (1993)  |
|          | FZ | Fechheimer, <i>et al.</i> , "Transfection of mammalian cells with plasmid DNA by scrape loading and sonication loading", <i>Proc. Natl. Acad. Sci. USA</i> 84:8463-8467, (1987).  |
| **<br>RM | GA | Financsek <i>et al.</i> , Human ribosomal RNA gene: Nucleotide sequence of the transcription initiation region and comparison of three mammalian genes, <i>Proc. Natl. Acad. Sci.</i> 79:3092-3096 (1982)                         |

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| R59       | GB | Ford and Fried, "Large inverted duplications are associated with gene amplification", <i>Cell</i> 45:425-430, (1986).  |
|           | GC | Fournier, "A general high-efficiency procedure for production of microcell hybrids", <i>Proc. Natl. Acad. Sci. USA</i> 78:6349-6353, (1981).   |
|           | GD | Fowler, <i>et al.</i> , "Donor lymphoid cells of th2 cytokine phenotype reduce lethal graft versus host disease and facilitates fully allogeneic cell transfers in sublethally irradiated mice", <i>Advances in Bone Marrow Purging and Processing: Fourth International Symposium</i> , p. 533-540, (1994). |
|           | GE | Frasier, <i>et al.</i> , "Efficient incorporation of transfected blastodermal cells into chimeric chicken embryos", <i>Int. J. Dev. Biol.</i> 37:381-385, (1993).  |
|           | GF | French, <i>et al.</i> , "Construction of a retroviral vector incorporating mouse VL30 retrotransposon-derived, transcriptional regulatory sequences", <i>Anal. Biochem.</i> 228:354-355, (1995).   |
|           | GG | Frohman and Martin, "Cut, paste, and save: new Approaches to altering specific genes in mice", <i>Cell</i> 56:145-147, (1989).   |
|           | GH | Fromm, <i>et al.</i> , "Expression of genes transferred into monocot and dicot plant cells by electroporation", <i>Proc. Natl. Acad. Sci. USA</i> 82:5824-5828, (1985).  |
|           | GI | Fu <i>et al.</i> , Molecular cytogenetic study of an extra small chromosome, (CHINA), <i>Medline Abstract:93103732</i> 19(4):294-297 (1992).   |
|           | GJ | Garside <i>et al.</i> , A method for karyotyping mouse blastocyst embryos developing from in vivo and in vitro fertilized eggs, <i>Experientia</i> 41:1183-1184 (1985).  |
|           | GK | Gaub, <i>et al.</i> , "The chicken ovalbumin promoter is under negative control which is relieved by steroid hormones", <i>The EMBO Journal</i> , 6:(8)2313-2320, (1987).  |
|           | GL | Gillespie, <i>et al.</i> , "Tissue-specific expression of human CD4 in transgenic mice", <i>Mol. Cell. Biol.</i> 13:2952-2958, (1993).   |
|           | GM | Gluzman, "SV40-transformed simian cells support the replication of early SV40 mutants", <i>Cell</i> 23:175-182, (1981).  |
|           | GN | Gogel, <i>et al.</i> , Mapping of replication initiation sites in the mouse ribosomal gene cluster, <i>Chromosoma</i> , 104:511-518, 1996  |
| **        | GO | Gonzales and Schmickel, The human 18S ribosomal RNA gene: Evolution and stability, <i>Am. J. Hum. Genet.</i> 38:419-427 (1986)   |
| **<br>RNS | GP | Gonzalez <i>et al.</i> , Variation among human 28S ribosomal RNA genes, <i>Proc. Natl. Acad. Sci.</i> 82:7666-7670 (1985)  |

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|     | GR | Goodfellow, <i>et al.</i> , "Techniques for mammalian genome transfer", in <i>Genome Analysis a Practical Approach</i> , K.E. Davies, ed., IRL Press, Oxford, Washington DC. pp.1-17, (1989).  |
| **  | GS | Gordon <i>et al.</i> , Production of Human Tissue Plasminogen Activator in Transgenic Mouse Milk, <u>Bio/Technology</u> 5:1183-1187 (1987).  |
| **  | GT | Gordon <i>et al.</i> , Genetic transformation of mouse embryos by microinjection of purified DNA, <u>Proc. Natl. Acad. Sci. USA</u> 77(12):7380-7384 (1980).   |
|     | GU | Gout, <i>et al.</i> , Prolactin-stimulated growth of cell cultures established from malignant Nb rat lymphomas, <u>Cancer Res.</u> , 40:2433-2436, 1980  |
|     | GV | Graham and van der Eb, "A new technique for the assay of infectivity of human adenovirus 5 DNA", <u>Virology</u> 52:456-457, (1973).   |
|     | GW | Gravholt and Friedrich, Molecular cytogenetic study of supernumerary marker chromosomes in an unselected group of children, <u>Am. J. Med. Gen.</u> , 56:106-111, 1995   |
| **  | GX | Gray <i>et al.</i> , Chromosome measurement and sorting by flow systems, <u>Proc. Nat. Acad. Sci.</u> 72:1231-1234 (1975)  |
|     | GY | Green, <i>et al.</i> , "Chromosomal region of the cystic fibrosis gene in yeast artificial chromosomes: A model for human genome mapping", <u>Science</u> 250:94-98, (1990).   |
|     | GZ | Grierson, <i>et al.</i> <u>Plant Molecular Biology</u> , 2d Ed., Blackie, London, Ch. 7-9, (1988).   |
|     | HA | Gritz, <i>et al.</i> , "Plasmid-encoded hygromycin B resistance: the sequence of hygromycin B phosphotransferase gene and its expression in <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> ", <u>Gene</u> 25:179-188, (1983). |
|     | HB | Gunning, <i>et al.</i> , "A human $\beta$ -actin expression vector system directs high-level accumulation of antisense transcripts", <u>Proc. Natl. Acad. Sci. USA</u> 84:4831-4835, (1987).   |
|     | HC | Haaf <i>et al.</i> , Integration of Human $\alpha$ -Satellite DNA into Simian Chromosomes: Centromere Protein Binding and Disruption of Normal Chromosome Segregation, <u>Cell</u> 70:681-696 (1992).                                      |
|     | HD | Haas and Dowding, Aminoglycoside-modifying enzymes, <u>Meth. Enzymol.</u> , 43:611-628, 1975   |
| RMS | HE | Haase, <i>et al.</i> , "Transcription inhibits the replication of autonomously replicating plasmids in human cells", <u>Mol. Cell. Biol.</u> 14:2516-2524, (1994).   |

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|     | HG | Hadlaczky, "Structure of metaphase chromosomes of plants", <i>Internatl. Rev. Cytol.</i> 94:57-76, (1985).  |
|     | HH | Hadlaczky, <i>et al.</i> , "Structure of isolated protein-depleted chromosomes of plants", <i>Chromosoma</i> 86:643-659, (1982).  |
|     | HI | Hadlaczky, <i>et al.</i> , "Protein depleted chromosomes", <i>Chromosoma</i> 81:537-555, (1981).  |
|     | HJ | Hadlaczky, <i>et al.</i> , "Centromere formation in mouse cells cotransformed with human DNA and a dominant marker gene", <i>Proc. Natl. Acad. Sci. USA</i> 88:8106-8110, (1991).   |
|     | HK | Hadlaczky, <i>et al.</i> , "Direct evidence for the non-random localization of mammalian chromosomes in the interphase nucleus", <i>Exp. Cell Res.</i> 167:1-15, (1986).  |
|     | HL | Hadlaczky, <i>et al.</i> , "Centromere proteins", <i>Chromosoma</i> 97:282-288, (1989).   |
|     | HM | Hadlaczky and Szalay, "Mammalian artificial chromosomes: Potential vectors for gene therapy", Abstract from International Symposium on <i>Gene Therapy of Cancer, AIDS and Genetic Disorders</i> , Trieste (Italy) (April 10-13, 1996) (available at <a href="http://www.chromos.com/contents.html">http://www.chromos.com/contents.html</a> )                                |
|     | HN | Hall, <i>et al.</i> , "Expression and regulation of <i>Escherichia coli lacZ</i> gene fusions in mammalian cells", <i>J. Mol. Appl. Gen.</i> 2:101-109, (1983).   |
|     | HO | Handeli, <i>et al.</i> , "Mapping replication units in animal cells", <i>Cell</i> 57:909-920, (1989).   |
|     | HP | Hanna, <i>et al.</i> , "Specific expression of the human CD4 gene in mature CD4 <sup>+</sup> CD8 <sup>-</sup> and immature CD4 <sup>+</sup> CD8 <sup>+</sup> T cells and in macrophages of transgenic mice", <i>Mol. Cell. Biol.</i> 14:1084-1094, (1994).  |
|     | HQ | Harper, <i>et al.</i> , "Localization of single copy DNA sequences on G-banded human chromosomes by in situ hybridization", <i>Chromosoma</i> 83:431-439, (1981).   |
|     | HR | Harrington, <i>et al.</i> , Formation of <i>de novo</i> centromeres and construction of first-generation human artificial microchromosomes, <i>Nature Genetics</i> , 15:345-355, 1997   |
| **  | HS | Haskell <i>et al.</i> , Efficient Production of Transgenic Cattle by Retroviral Infection of Early Embryos, <i>Molecular Reproduction and Development</i> 40:386-390 (1995).  |
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|    | HV | Henikoff <i>et al.</i> , Position-effect variegation after 60 years, <u>Trends in Genetics</u> <u>6</u> : 422-426 (1990).   |
| ** | HW | Hernandez <i>et al.</i> , Conserved features in the mode of replication of eukaryotic ribosomal RNA genes, <u>EMBO J.</u> <u>12</u> (4):1475-1485 (1993)  |
|    | HX | Higgins <i>et al.</i> , Organization of a repetitive human 1.8 kb KpnI sequence localized in the heterochromatin of chromosome 15, <u>Chromosoma</u> <u>93</u> :77-86 (1985).                                       |
| ** | HY | Hill <i>et al.</i> , Production of Transgenic Cattle by Pronuclear Injection, <u>Theriogenology</u> <u>37</u> :222 (1992).  |
|    | HZ | Hilwig and Gropp, "Decondensation of constitutive heterochromatin in L cell chromosomes by a benzimidazole compound ("33258 Hoechst")", <u>Exp Cell Res</u> <u>81</u> :474-477, (1973).                             |
| ** | IA | Hogan, <i>et al.</i> , <u>Manipulating the Mouse Embryo: A Laboratory Manual</u> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pages 127 and 429 (1994).   |
|    | IB | Hogan, <i>et al.</i> , <u>Manipulating the Mouse Embryo: A Laboratory Manual</u> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pages 253-289 see, especially pages 255-264 and Appendix 3, (1994). |
|    | IC | Hollo, <i>et al.</i> , "Evidence for a megareplicon covering megabases of centromere segments", <u>Chromosome Research</u> <u>4</u> :240-247 (1996)   |
|    | ID | Holmen, <i>et al.</i> , "Efficient Lipid-mediated transfection of DNA into Primary Rat Hepatocytes", <u>In Vitro Cell, Dev. Biol.</u> <u>30</u> :347-351, (1995).   |
|    | IE | Holmquist and Comings, "Sister chromatid exchange and chromosome organisation based on a bromodeoxyuridine Giemsa-C-banding technique (TC-banding)", <u>Chromosoma</u> <u>52</u> :245-259, (1975).                  |
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|    | IH | Huberman and Riggs, "On the mechanism of DNA replication in mammalian chromosomes", <u>J Mol Biol</u> <u>32</u> :327-341, (1968).   |
| RM | II | Huberman, <i>et al.</i> , "The <i>in vivo</i> replication origin of the yeast 2 $\mu$ m plasmid", <u>Cell</u> <u>51</u> :473-481, (1987).   |

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|    | IL | Hyde, <i>et al.</i> , "Correction of the ion transport defect in cystic fibrosis transgenic mice by gene therapy", <i>Nature</i> 362: 250-255, (1993).   |
|    | IM | Hyrien, <i>et al.</i> , "The multicopy appearance of large inverted duplication and the sequence at the inversion joint suggest a new model for gene amplification", <i>EMBO J</i> 7:407-417, (1988).                        |
|    | IN | Ijdo <i>et al.</i> , Improved telomere detection using a telomere repeat probe (TTAGGG) <sub>n</sub> generated by PCR, <i>Nucleic Acids Research</i> 19(17):4780 (1991).   |
|    | IO | Ioannou, <i>et al.</i> , A new bacteriophage P1-derived vector for the propagation of large human DNA fragments, <i>Nature Genetics</i> , 6:84-89, 1994  |
|    | IP | Ish-Horowitz, <i>et al.</i> , "Rapid and efficient cosmid cloning", <i>Nucleic Acids Res.</i> 9:2989-2998, (1981).   |
|    | IQ | Jabs, <i>et al.</i> , "Characterization of a cloned DNA sequence that is present at centromeres of all human autosomes and the X chromosome and shows polymorphic variation", <i>Proc. Natl. Acad.</i> 81:4884-4888, (1984). |
|    | IR | Jacob, <i>et al.</i> , "On the regulation of DNA replication in bacteria", <i>Cold Spring Harb Symp Quant Biol</i> 28:329-348, (1963).   |
| ** | IS | Jiewen <i>et al.</i> , Decondensation of hamster chromosomes in the nuclei of 1-cell stage mice embryo following chromosome microinjection, <i>Theriogenology</i> 45:336 (1996).   |
|    | IT | Johnson, <i>et al.</i> , Genetic mapping of variable length rDNA segments to centromeric regions of mouse Chromosomes 11, 12, 15, 16, and 18, <i>Mammalian Genome</i> , 4:49-52, 1993  |
|    | IU | Joy and Gopinathan, "Expression of microinjected foreign DNA in the silkworm", <i>Bombex mori</i> , <i>Current Science</i> 66:145-150, (1991).   |
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| M9  | IX | Keown, <i>et al.</i> , "Methods for introducing DNA into mammalian cells", <i>Meth. Enzymol.</i> 185:527-537, (1990).   |
| 1   | IY | Kerem, <i>et al.</i> , "Identification of the cystic fibrosis gene: genetic analysis", <i>Science</i> 245:1073-1080, (1989).  |
|     | IZ | Kereso <i>et al.</i> , <i>De novo</i> chromosome formations by large-scale amplification of the centromeric region of mouse chromosomes, <i>Chromosome Research</i> 4:226-239, (1996).  |
|     | JA | Killary, <i>et al.</i> , "Microcell Fusion", <i>Methods in Enzymology</i> , 254:133-152, (1995).  |
|     | JB | Kitsberg, <i>et al.</i> , "Replication structure of the human b-globin gene domain", <i>Nature</i> 366:588-590, (1993).   |
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|     | JD | Klotman <i>et al.</i> Transgenic models of HIV-1, <i>Current Sci Ltd.</i> 9:313-324, (1995).  |
|     | JE | Korenberg, <i>et al.</i> , "Human genome organization: Alu, LINES, and the molecular structure of metaphase chromosome bands", <i>Cell</i> 53:391-400, (1988).  |
|     | JF | Kornberg and Baker, <i>DNA Replication</i> . 2nd. ed., New York: W.H. Freeman and Co, p. 474, (1992).   |
| **  | JG | Krimpenfort <i>et al.</i> , Generation of transgenic dairy cattle using 'in vitro' embryo production, <i>Bio/Technology</i> 9:844-847 (1991).   |
|     | JH | Lalande, <i>et al.</i> , Molecular detection and differentiation of deletions in band 13q14 in human retinoblastoma, <i>Cancer Genet Cytogenet</i> , 23:151-157, 1986   |
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|     | JL | Larsson <i>et al.</i> Reduced $\beta$ 2-microglobulin mRNA levels in transgenic mice expressing a designed hammerhead ribozyme, <i>Nucleic Acids Research</i> 22:2242-2248, (1994).   |
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| ** | JO | Lebo <i>et al.</i> , Design and operation of a dual laser chromosome sorter, <i>Cytometry</i> 3:213-219 (1982)  |
|    | JP | Ledbetter <i>et al.</i> , New Somatic Cell Hybrids for Physical Mapping in Distal Xq and the Fragile X Region, <i>Americal Journal of Medical Genetics</i> 38:418-420 (1991).   |
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| ** | JR | Lee <i>et al.</i> , Human centromeric DNA, <i>Human Genetics</i> 100: 291-300 (1997).   |
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|    | JW | Liu, <i>et al.</i> , "The pro region of human neutrophil defensin contains a motif that is essential for normal subcellular sorting", <i>Blood</i> 85:1095-1103, (1995).  |
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|    | JZ | Looney, <i>et al.</i> , "The dihydrofolate reductase amplicons in different methotrexate-resistant Chinese hamster cell lines share at least a 273-kilobase core sequence, but the amplicons in some cell lines are much larger and remarkably uniform in structure", <i>Mol. Cell Biol.</i> 8:5268-5279, (1988). |
|    | KA | Lorenz, <i>et al.</i> , Expression of the <i>Renilla reniformis</i> luciferase gene in mammalian cells, <i>J. Biolum. Chemilum.</i> 11:31-37, (1996).   |
|    | KB | Lorenz, <i>et al.</i> , "Isolation and expression of a cDNA encoding <i>Renilla reniformis</i> luciferase", <i>Proc. Natl. Acad. Sci. USA</i> 88:4438-4442 (1991)   |
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| **  | KH | Maeda <i>et al.</i> , Production of human $\alpha$ -interferon in silkworm using a baculovirus vector, <i>Nature</i> 315:592-594 (1985).  |
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| **  | KN | McCallum and Maden, Human 18S ribosomal RNA sequence inferred from DNA sequence, <i>Biochem. J.</i> 232:725-733 (1985)  |
|     | KO | McGill, <i>et al.</i> , " $\lambda$ CM8, a human sequence with putative centromeric function, does not map to the centromere but is present in one or two copies at 9qter", <i>Hum. Mol. Gen.</i> 1(9):749-751.     |
|     | KP | McGuigan <i>et al.</i> , Replication of yeast DNA and novel chromosome formation in mouse cells, <i>Nucleic Acids Res.</i> 24(12):2271-2280 (1996)  |
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|     | LC | Morgenstern, <i>et al.</i> , "Advanced mammalian gene transfer: High titre retroviral vectors with multiple drug selection markers and a complementary helper-free packaging cell line", <i>Nucleic Acids Res.</i> 18:3587-3596, (1990). |
|     | LD | Mulligan, "The basic science of gene therapy", <i>Science</i> 260:926-932, (1993).   |
| **  | LE | Mullins <i>et al.</i> , Perspective Series: Molecular Medicine in Genetically Engineered Animals, <i>Transgenesis in Nonmarine Species</i> 98(11):S37-S40 (1996).  |
|     | LF | Mullins <i>et al.</i> , Perspectives Series: Molecular medicine in genetically engineered animals; Transgenesis in the rat and larger animals, <i>J. Clin. Invest.</i> , 98(11):S37-S40 (1996)   |
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|    | LM | Ohnuki, Cytology: Demonstration of the spiral structure of human chromosomes, 208:916-917, 1965   |
|    | LN | Ohnuki, Structure of chromosomes, <i>Chromosoma</i> (Berl), 25:402-428, 1968  |
| ** | LO | Orkin, S.H., Report and Recommendations of the Panel to Assess the NIH Investment in Research of Gene Therapy, <u>December 7, 1995</u> pgs. 1-45. Available online at: <a href="http://www.nih.gov/news/panelrep.html">http://www.nih.gov/news/panelrep.html</a>                        |
|    | LP | Osborne, <i>et al.</i> , "A mutation in the second nucleotide binding fold of the cystic fibrosis gene", <i>Am. J. Hum. Genetics</i> 48:608-612, (1991).  |
| ** | LQ | Palmiter <i>et al.</i> , Dramatic growth of mice that develop from eggs microinjected with metallothionein-growth hormone fusion genes, <i>Nature</i> 300:611-615 (1982).   |
|    | LR | Park, <i>et al.</i> , "Modulation of Transcriptional Activity of the Chicken ovalbumin gene promoter in primary cultures of chicken oviduct cells: effects of putative regulatory elements in the 5'-flanking region", <i>Biochem and Mol Biol International</i> 36:(4)811-816, (1995). |
| ** | LS | Parkman <i>et al.</i> , Abstract for: Gene Therapy for adenosine deaminase deficiency, <i>Annu Rev Med</i> 51:33-47 (2000).   |
|    | LT | Paszowski and Saul, "[28] Direct gene transfer to plants", <i>Methods for Plant Molecular Biology</i> , Weissbach <i>et al.</i> , eds., Academic Press, N.Y., Section VIII, pp. 447-463, (1988).  |
|    | LU | Perry and Wolff, "A new Giemsa method for the differential staining of sister chromatids", <i>Nature</i> 251:156-158, (1974).   |
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|     | LX | Pierce and Sternberg, Using Bacteriophage P1 system to clone high molecular weight genomic DNA, <u>Meth. Enzymol.</u> , 216:549-574, 1992   |
|     | LY | Pinkel, <i>et al.</i> , "Cytogenetic analysis using quantitative, high-sensitivity, fluorescence hybridization", <u>Proc. Natl. Acad. Sci. USA</u> , 83:2934-2938, (1986).  |
|     | LZ | Prasher, <i>et al.</i> , "Primary structure of the <i>Aequorea victoria</i> green-fluorescent protein", <u>Gene</u> 111:229-233, (1992).  |
|     | MA | Praznovszky, <i>et al.</i> , "De novo chromosome formation in rodent cells", <u>Proc. Natl. Acad. Sci. USA</u> 88:11042-11046, (1991).  |
|     | MB | Priest, "Cytogenetics", In <i>Medical Technology Series</i> . R.M. French, M. Eichman, B. Fiorella, and H.F. Weisberg, eds. (Lea and Febiger, Philadelphia) pp.189-190, (1969).   |
|     | MC | Quastler, <i>et al.</i> , "Cell population kinetics in the intestinal epithelium of the mouse", <u>Exp. Cell Res.</u> 17:420-438, (1959).   |
|     | MD | Raimondi, <i>et al.</i> , "X-ray mediated size reduction, molecular characterization and transfer in model systems of a human artificial minichromosome", Abstract from International Symposium on <i>Gene Therapy of Cancer, AIDS and Genetic Disorders</i> , Trieste (Italy) (April 10-13, 1996). |
|     | ME | Raimondi, Gene targeting to the centromeric DNA of a human minichromosome. <u>Hum. Gene Ther.</u> 7: 1103-1109 (1996)   |
| **  | MF | Rancourt <i>et al.</i> , Wolffish Antifreeze Protein from Transgenic <i>Drosophila</i> , <u>Bio/Technology</u> 8:453-457 (1990).  |
|     | MG | Rasko <i>et al.</i> , Pattern of segregation of chicken HPRT phenotype in Chinese hamster-chick red blood cell hybrids, <u>Cytogenet Cell Genet</u> 24:129-137 (1979).  |
|     | MH | Raynal <i>et al.</i> , Complete nucleotide sequence of mouse 18 S rRNA gene: comparison with other available homologs, <u>FEBS Lett.</u> 167 (2): 263-367 (1984)  |
|     | MI | Remy, <i>et al.</i> , "Gene Transfer with a Series of Lipophilic DNA-Binding Molecules", <u>Bioconjugate Chem.</u> 5:647-654, (1994).   |
| R03 | MJ | Report and recommendations of the panel to assess the NIH investment in research on gene therapy, Orkin and Motulsky, co-chairs (December 7, 1995) (available at <a href="http://www.nih.gov/news/panelrep.html">http://www.nih.gov/news/panelrep.html</a> )  |

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| RMS | MK | Richia and Lo, "Introduction of human DNA into mouse eggs by injection of dissected chromosome fragments", <i>Science</i> 245:175-177, (1989).   |
| **  | ML | Riego <i>et al.</i> , Production of Transgenic Mice and Rabbits that Carry and Express the Human Tissue Plasminogen Activator cDNA under the Control of a Bovine Alpha S1 Casein Promoter, <i>Theriogenology</i> 39:1173-1185 (1993).                    |
|     | MM | Riordan, <i>et al.</i> , "Identification of the cystic fibrosis gene: cloning and characterization of complementary DNA", <i>Science</i> 245:1066-1072, (1989).  |
|     | MN | Roberts <i>et al.</i> , Ribosomal RNA Gene Amplification: A Selective Advantage in Tissue Culture, <i>Cancer Genet Cytogenet</i> 29:119-127 (1987).  |
|     | MO | Rogers, <i>et al.</i> , "[26] Gene transfer in plants: Production of transformed plants using Ti plasmid vectors", <i>Methods for Plant Molecular Biology</i> , Weissbach <i>et al.</i> , eds., Academic Press, N.Y., Section VIII, pp. 423-436, (1988). |
|     | MP | Rommens, <i>et al.</i> , "Identification of the cystic fibrosis gene: chromosome walking and jumping", <i>Science</i> 245:1059-1065, (1989).   |
|     | MQ | Rosenfeld, <i>et al.</i> , "In vivo transfer of the human cystic fibrosis transmembrane conductance regulator gene to the airway epithelium", <i>Cell</i> 68:143-155, (1992).  |
|     | MR | Roslaniec, <i>et al.</i> , Development of a high speed optical chromosome sorter based on photoinduced cross-linking of DNA with psoralens, International Society for Analytical Cytology Abstracts, 1994  |
|     | MS | Roth, <i>et al.</i> , "Artifizielle chromosomen", <i>Natur Wissenschaften</i> 74:78-85, (1987).  |
|     | MT | Rowe, <i>et al.</i> , Genetic mapping of 18S ribosomal RNA-related loci to mouse chromosomes 5, 6, 9, 12, 17, 18, 19, and X, <i>Mammalian Genome</i> , 7:886-889, 1996   |
|     | MU | Safrany and Hidvegi, New tandem repeat region in the non-transcribed spacer of human ribosomal RNA gene, <i>Nucl. Acids Resh.</i> 17(8):3013-3023 (1989)   |
|     | MV | Sakai <i>et al.</i> , Human Ribosomal RNA Gene Cluster: Identification of the Proximal End Containing a Novel Tandem Repeat Sequence, <i>Genomics</i> 26:521-526 (1995).   |
|     | MW | Sambrook, <i>et al.</i> , <i>Molecular Cloning: A Laboratory Manual</i> , Volume 1. 2d Ed., Cold Spring Harbor Laboratory Press,, Section 2.18, (1989).  |
|     | MX | Sanes, <i>et al.</i> , "Use of a recombinant retrovirus to study post-implantation cell lineage in mouse embryos", <i>EMBO J.</i> 5(12):3133-3142, (1986).   |
| RMS | MY | Sanford, <i>et al.</i> , "General Protocol for Microcell-Mediated Chromosome Transfer", <i>Somatic Cell and Molecular Genetics</i> , 13:(3)279-284, (1987).  |

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|        | NA | Sanger, <i>et al.</i> , "Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing", <i>J. Mol. Biol.</i> 143:161-178, (1980).  |
|        | NB | Sart <i>et al.</i> , A functional neo-centromere formed through activation of a latent human centromere and consisting of non-alpha-satellite DNA, <i>Nature Genetic</i> 16:144-152 (1997).  |
|        | NC | Saxon, <i>et al.</i> , "Selective transfer of individual human chromosomes to recipient cells", <i>Mol. Cell. Biol.</i> 1:140-146, (1985).   |
|        | ND | Schedl, <i>et al.</i> , "A method for the generation of YAC transgenic mice by pronuclear microinjection", <i>Nuc. Acids Res.</i> 21:4783-4787, (1993).  |
|        | NE | Scientists report a major step in realizing the commercial potential of engineered artificial chromosomes in significant life sciences sectors, including gene therapy, <i>Chromos Molecular Systems - News Release</i> (May 29, 1996) (available at <a href="http://www.chromos.com/contents.html">http://www.chromos.com/contents.html</a> ) |
| **     | NF | Seamark, Progress and emerging problems in livestock transgenesis: a summary perspective, <i>Reprod. Fertil. Dev.</i> , 6:653-657 (1994)   |
|        | NG | Seamark, Progress and Emerging Problems in Livestock Transgenesis: a Summary Perspective, <i>Reprod. Fertil. Dev.</i> 6:653-657 (1994).  |
|        | NH | Selig, <i>et al.</i> , "Regulation of mouse satellite DNA replication time", <i>EMBO J.</i> 7:419-426, (1988).   |
|        | NI | Sher, <i>et al.</i> , "Role of T-Cell derived cytokines in the downregulation of immune responses in parasitic and retroviral infection", <i>Immunological Reviews</i> (127)183-204, (?)   |
|        | NJ | Shizuya, <i>et al.</i> , Cloning and stable maintenance of 300-kilobase-pair fragments of human DNA in <i>Escherichia coli</i> using an F-factor-based vector, <i>Proc. Natl. Acad. Sci. USA</i> , 89:8794-8797, 1992  |
|        | NK | Shwarchuk, <i>et al.</i> , Substructure in the radiation survival response at low dose: asynchronous and partially synchronized V79-WNRE cells, <i>Int. J. Radiat. Biol.</i> , 64(5):601-612, 1993   |
|        | NL | Sillar and Young, A new method for the preparation of metaphase chromosomes for flow analysis, <i>J. Histo. Cytoch.</i> , 29:74-78, 1981   |
| ** RUS | NM | Simons <i>et al.</i> , Alteration of the quality of milk by expression of sheep $\beta$ -lactoglobulin in transgenic mice, <i>Nature</i> 328:530-532 (1987).   |

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|               | NO | Smith, <i>et al.</i> , "Distinctive chromosomal structures are formed very early in the amplification of CAD genes in Syrian hamster cells", <u>Cell</u> 63:1219-1227, (1990).                 |
|               | NP | Smith, <i>et al.</i> , "Amplification of large artificial chromosomes", <u>Proc. Natl. Acad. Sci. USA</u> , 87:8242-8246, (1990).  |
| **            | NQ | Smith and Rubin, Functional screening and complex traits: human 21q22.2 sequences affecting learning in mice, <u>Hum. Mol. Genet.</u> 6(10):1729-1733 (1997)                                   |
|               | NR | Solus, <i>et al.</i> , "Characterization of single-copy probe from vicinity of centromere of human chromosome 1", <u>Somatic Cell Mol. Genet.</u> 14:381-391, (1988).                          |
|               | NS | Stoehr, <i>et al.</i> , A reliable preparation of mono-dispersed chromosome suspensions for flow cytometry, <u>Histochemistry</u> , 74:57-61, 1982   |
|               | NT | Strauss, "Transfection of Mammalian Cells via Lipofection", <u>Meth Biol</u> 54:307-327, (1996).   |
|               | NU | Strojek <i>et al.</i> The use of transgenic animal techniques for livestock improvement, <u>Genetic Engineering: Principles and Methods</u> 10:221-246, (1988).                                |
|               | NV | Stubblefield and Wray, Isolation of specific human metaphase chromosomes, <u>Bioch. and Biophys. Res. Commun.</u> , 83(4):1404-1414, 1978  |
| **            | NW | Stubblefield and Pershouse, Direct formation of microcells from mitotic cells for use in chromosome transfer, <u>Somatic Cell &amp; Molec. Genet.</u> 18:485-491 (1992)                        |
|               | NX | Sugden, <i>et al.</i> , "A vector that replicates as a plasmid and can be efficiently selected in B-lymphoblast transformed by Epstein-Barr virus", <u>Mol. Cell. Biol.</u> 5:410-413, (1985). |
|               | NY | Sumner, "Scanning electron microscopy of mammalian chromosomes from prophase to telophase", <u>Chromosoma</u> 100:410-418, (1991).   |
|               | NZ | Sumner, "A simple technique for demonstrating centromeric heterochromatin", <u>Cell Res.</u> 75:304-306, (1972).   |
|               | OA | Sun <i>et al.</i> , Human artificial episomal chromosomes for cloning large DNA fragments in human cells, <u>Nature Genetics</u> 8:33-41 (1994).   |
|               | OB | Szybalska, <i>et al.</i> , "DNA-Mediated heritable transformation of biochemical trait", <u>Proc. N.A.S.</u> 48:2026-2034, (1962).   |
| <i>RNS</i>    | OC | Szybalsky, <i>et al.</i> , "Genetic studies with human cell lines", <u>Natl. Cancer Inst. Monogr.</u> 7:75-89, (1982).   |

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|     | OE | Tamura, <i>et al.</i> , "Microinjection of DNA into early embryo of <i>Bombyx mori</i> ", <i>Bio Ind.</i> 8:26-31, (1991), (Chemical Abstracts # 114(21)200502z)  |
|     | OF | Taylor <i>et al.</i> , Analysis of extrachromosomal structures containing human centromeric alphoid satellite DNA sequences in mouse cells, <i>Chromosoma</i> 105: 70-81 (1996)   |
|     | OG | Teifel, <i>et al.</i> , "New Lipid Mixture for Efficient Lipid-Mediated Transfection of BHK Cells", <i>Biotechniques</i> 19:79-82, (1995).  |
| **  | OH | Telenius <i>et al.</i> , Chromatid contamination can impair the purity of flow-sorted metaphase chromosomes, <i>Cytometry</i> 14:97-101 (1993)  |
| **  | OI | Telenius <i>et al.</i> , Stability of a functional murine satellite DNA-based artificial chromosome across mammalian species, <i>Chromosome Research</i> 7: 3-7 (1999).   |
|     | OJ | Thoraval <i>et al.</i> , A methylated human 9-kb repetitive sequence on acrocentric chromosomes is homologous to a subtelomeric repeat in chimpanzees, <i>Proc. Natl. Acad. Sci.</i> 93:4442-4447 (1996).                                     |
|     | OK | Toledo, <i>et al.</i> , "Co-amplified markers alternate in megabase long chromosomal inverted repeats and cluster independently in interphase nuclei at early steps of mammalian gene amplification", <i>EMBO J.</i> 11:2665-2673, (1992).    |
|     | OL | Tomizuka <i>et al.</i> , Functional expression and germline transmission of a human chromosome fragment in chimaeric mice, <i>Nature Genetics</i> 16:133-143 (1997)   |
|     | OM | Tonghua, <i>et al.</i> , "Effects of antisense epidermal growth factor and its receptor retroviral expression vectors on cell growth of human pancreatic carcinoma cell line", <i>Chin. Med. J. (Beijing, Engl. Ed.)</i> 108:653-659, (1995). |
|     | ON | Tora, <i>et al.</i> , "Cell-specific activity of a GGTC A half-palindromic oestrogen-responsive element in the chicken ovalbumin gene promoter", <i>The EMBO Journal</i> 7:(12)3771-3778, (1988).   |
|     | OO | Torczynski <i>et al.</i> , Cloning and sequencing of a human 18S ribosomal RNA gene, <i>DNA</i> 4 (4): 283-291 (1985)   |
| **  | OP | Traver, <i>et al.</i> , Rapid screening of a human genomic library in yeast artificial chromosomes for single-copy sequences, <i>Proc. Natl. Acad. Sci. USA</i> 86:5898-5902, 1989  |
|     | OQ | Tyler-Smith <i>et al.</i> , Mammalian chromosome structure, <i>Curr. Opin. Genet. Devt.</i> 3: 390-397 (1993)   |
| RMS | OR | Uchimiya, <i>et al.</i> , "Transgenic plants", <i>J. Biotechnol.</i> 12:1-20, (1989).   |

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|     | OT | Van Dilla, <i>et al.</i> , Human chromosome-specific DNA libraries: Construction and availability, <u>Bio/Technology</u> , 4:537-552, 1986   |
|     | OU | Van den Engh, <i>et al.</i> , Preparation of chromosomes suspensions for flow cytometry, <u>Cytometry</u> , 5:108-117, 1984  |
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| **  | OW | Velandar <i>et al.</i> , High-level expression of a heterologous protein in the milk of transgenic swine using the cDNA encoding human protein C, <u>Proc. Natl. Acad. Sci. USA</u> 89:12003-12007 (1992).           |
| **  | OX | Verma, I.M. and N. Somia, Gene Therapy- promises, problems and prospects, <u>Nature</u> 389:239-42 (1997).   |
|     | OY | Vig and Richards, "Formation of primary constriction and heterochromatin in mouse does not require minor satellite DNA", <u>Exp. Cell Res.</u> 201:292-298, (1992).  |
| **  | OZ | Vile, R.G., Abstract of: Cancer Gene Therapy: Hard Lessons and New Courses, <u>Gene Therapy</u> 7(1):2-8 (2000)  |
|     | PA | Vissel <i>et al.</i> , A satellite III sequence shared by human chromosomes 13, 14, and 21 that is contiguous with $\alpha$ satellite DNA, <u>Cytogenet Cell Genet</u> 61:81-86 (1992).                              |
| **  | PB | Vos JM, The Simplicity of complex MACs, <u>Nature Biotechnology</u> 15:1257-1259 (1997)  |
| **  | PC | Wall <i>et al.</i> , Transgenic Dairy Cattle: Genetic Engineering on a Large Scale, <u>J. Dairy Sci.</u> 80(9):2213-2224 (1997).   |
| **  | PD | Wall <i>et al.</i> , High-level synthesis of a heterologous milk protein in the mammary glands of transgenic swine, <u>Proc. Natl. Acad. Sci. USA</u> 88:1696-1700 (1991).   |
| **  | PE | Wall <i>et al.</i> , Making Transgenic Livestock: Genetic Engineering on a Large Scale, <u>Journal of Cellular Biochemistry</u> 49:113-120 (1992).   |
| **  | PF | Wall, Transgenic livestock: Progress and prospects for the future, <u>Theriogenology</u> , 45:57-68 (1996)   |
| RNS | PG | Wang and Fedoroff, "Banding of human chromosomes treated with trypsin", <u>Nature</u> 235:52-54, (1972).   |

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| **     | PI | Warburton, P.E., Making CENS of Mammalian Artificial Chromosomes, <i>Molecular Genetics and Metabolism</i> 68:152-160 (1999).  |
|        | PJ | Waring, <i>et al.</i> , "Nucleotide sequence repetition: A rapidly reassociating fraction of mouse DNA", <i>Science</i> 154:791-794, (1966).   |
|        | PK | Waye <i>et al.</i> , Human $\beta$ satellite DNA: Genomic organization and sequence definition of a class of highly repetitive tandem DNA, <i>Proc. Natl. Acad. Sci.</i> 86:6250-6254 (1989).                                    |
|        | PL | Weinberg, "Tumor suppressor genes", <i>Science</i> 254:1138-1146, (1991).  |
| **     | PM | Wells <i>et al.</i> , Production of Cloned Lambs from an Established Embryonic Cell Line: A Comparison between In Vivo- and In Vitro-Matured Cytoplasts, <i>Biology of Reproduction</i> 57: 385-93 (1997).                       |
|        | PN | White, <i>et al.</i> , "A frame-shift mutation in the cystic fibrosis gene", <i>Nature</i> 344:665-667, (1990).  |
|        | PO | Wigler, <i>et al.</i> , "DNA-mediated transfer of the adenine phosphoribosyltransferase locus into mammalian cells", <i>Proc. Natl. Acad. Sci. USA</i> 76:1373-1376, (1979).   |
|        | PP | Willard, Chromosome manipulation: a systematic approach toward understanding human chromosome structure and function, <i>Proc. Natl. Acad. Sci. USA</i> 93: 6847-6850 (1996)   |
|        | PQ | Willard and Waye, "Hierarchical order in chromosome specific human alpha satellite DNA", <i>Trends Genet.</i> 3:192-198, (1987).   |
|        | PR | Williams and Blattner, "Construction and characterization of the hybrid bacteriophage lambda charon vectors for DNA cloning", <i>J. Virol.</i> 29:555-575, (1979).   |
|        | PS | Wilmut, <i>et al.</i> , Viable offspring derived from fetal and adult mammalian cells, <i>Nature</i> , 385:810-813, 1997   |
|        | PT | Wong, <i>et al.</i> , "Sequence organisation and cytological localization of the minor satellite of mouse", <i>Nucl. Acids Res.</i> 16:11645-11661, (1988).  |
|        | PU | Worton <i>et al.</i> , Human Ribosomal RNA Genes: Orientation of the Tandem Array and Conservation of the 5' End, <i>Science</i> 239:64-68 (1988).   |
| ** RAS | PV | Wright <i>et al.</i> , High level expression of active human alpha-1-antitrypsin in the milk of transgenic sheep, <i>Bio/Technology</i> 9:830-834 (1991).  |

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| FORM PTO-1449 (Modified)<br><br>LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT | ATTY. DOCKET NO.<br>24601-402G        | SERIAL NO.<br>09/724,693 |
|   | APPLICANT<br>Hadlaczky, <i>et al.</i> |                          |
|   | FILING DATE<br>November 28, 2000      | GROUP<br>1632            |

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

|     |    |   |
|-----|----|---|
| RMS | PW | Yamada, <i>et al.</i> , "Multiple chromosomes carrying tumor suppressor activity for a uterine endometrial carcinoma cell line identified by microcell-mediated chromosome transfer", <i>Oncogene</i> 5:1141-1147, (1990).                                |
|     | PX | Yates, <i>et al.</i> , "A <i>cis</i> -acting element from the Epstein-Barr viral genome that permits stable replication of recombinant plasmids in latently infected cells", <i>Proc. Natl. Acad. Sci. USA</i> 81:3806-3810, (1984).                      |
|     | PY | Yates, <i>et al.</i> , "Stable replication of plasmids derived from Epstein-Barr virus in various mammalian cells", <i>Nature</i> 313:812-815, (1985).  |
|     | PZ | Yeung, <i>et al.</i> , "Human CD4-major histocompatibility complex class II (Dqw6) transgenic mice in an endogenous CD4/CD8-deficient background: reconstitution of phenotype and humano-restricted function," <i>J. Exp. Med.</i> 180:1911-1920, (1994). |
|     | QA | Yoon, <i>et al.</i> , Mapping of replication initiation sites in human ribosomal DNA by Nascent-Strand abundance analysis, <i>Mol. Cell. Bio.</i> , p. 2482-2489, May 1995  |
|     | QB | Yurov, "Identification and characterization of two distinct polymorphic $\alpha$ -satellite DNA sequences from centromeric regions of the chromosomes 13 and 21 (A2299)", <i>Cytogenet. Cell Genet.</i> 51:1114, (1989).                                  |
|     | QC | Yurov, "Collection of $\alpha$ -satellite DNA probes: Highly polymorphic markers for centromeric regions of all human chromosomes (A2298)", <i>Cytogenet. Cell Genet.</i> 51:1114, (1989).  |
|     | QD | Zang, <i>et al.</i> , "Production of recombinant proteins in Chinese hamster ovary cells using a protein-free cell culture medium", <i>Bio/Technology</i> 13:389-392, (1995).   |
|     | QE | Zemskova and Escher, IAP DNA sequences and mouse chromosome instability, Loma Linda University APC Conference, March, 1997  |
| RMS | QF | Zhang, <i>et al.</i> , "T-Cell cytokine responses in human infection with Mycobacterium tuberculosis", <i>Infection and Immunity</i> , p. 3231-3234, (1995).  |
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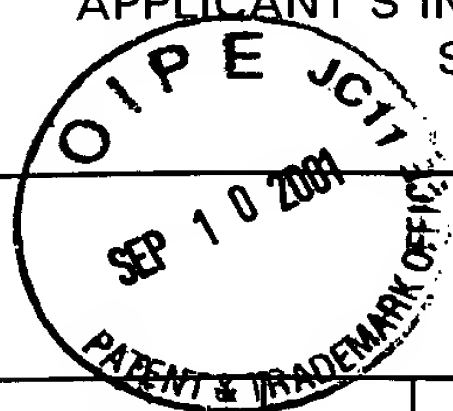
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LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
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Sheet 1 of 1

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24601-402GSERIAL NO.  
09/724,693LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENTAPPLICANT  
HADLACZKY *et al.*FILING DATE  
November 28, 2000GROUP  
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|                     | A | 4               | 6 | 5 | 6 | 1 | 3 | 4 | 04/07/87 | Ringold | 435   | 91           | 04/12/85       |
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|-----|---|--|
| RMS | B | Ascenzioni <i>et al.</i> , "Mammalian artificial chromosomes-vectors for somatic gene therapy", <i>Cancer Lett.</i> , 118:135-142 (1997) |
|     | C | Hadlaczký, "Satellite DNA-based artificial chromosomes for use in gene therapy", <i>Curr. Opin. Mol. Ther.</i> , 3:125-132 (2001)        |
| RMS | D | Saffery and Choo, "Strategies for engineering human chromosomes with therapeutic potential", <i>J. Gene Med.</i> , 4:5-13 (2002)         |
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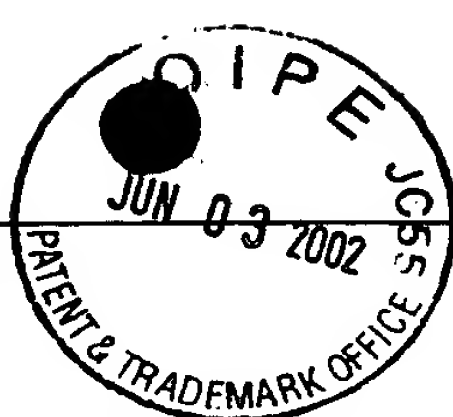
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FORM PTO-1449 (Modified)



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APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

ATTY. DOCKET NO.  
24601-402G

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APPLICANT  
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| RLB                 | A | 4               | 7 | 3 | 6 | 8 | 6 | 6 | 04/12/88 | Leder <i>et al.</i> | 800   | 1            | 06/22/84       |
| RLB                 | B | 4               | 8 | 0 | 1 | 5 | 4 | 0 | 01/31/89 | Hiatt <i>et al.</i> | 435   | 172.3        | 01/02/87       |
| RLB                 | C | 5               | 7 | 2 | 1 | 3 | 6 | 7 | 02/24/98 | Kay <i>et al.</i>   | 800   | 2            | 06/05/95       |

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| RLB | D | 0               | 2 | 0 | 8 | 4 | 9 | 1 | 01/14/87 | A2      |       |              |             |  |
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|     | G | 0               | 2 | 7 | 9 | 5 | 8 | 2 | 08/24/88 | A2      |       |              |             |  |
|     | H | 0               | 8 | 3 | 8 | 5 | 2 | 6 | 04/29/98 | EPO     |       |              |             |  |
|     | I | 8               | 2 | 0 | 4 | 4 | 4 | 3 | 12/23/82 | PCT     |       |              |             |  |
|     | J | 8               | 8 | 0 | 1 | 6 | 4 | 8 | 03/10/88 | PCT     |       |              |             |  |
|     | K | 8               | 8 | 0 | 0 | 2 | 3 | 9 | 01/14/88 | PCT     |       |              |             |  |
|     | L | 8               | 9 | 0 | 9 | 2 | 1 | 9 | 10/05/89 | PCT     |       |              |             |  |
|     | M | 9               | 1 | 0 | 5 | 0 | 4 | 4 | 04/18/91 | PCT     |       |              |             |  |
|     | N | 9               | 2 | 0 | 7 | 0 | 8 | 0 | 04/30/92 | PCT     |       |              |             |  |
|     | O | 9               | 2 | 1 | 4 | 8 | 1 | 9 | 09/03/92 | PCT     |       |              |             |  |
|     | P | 9               | 5 | 2 | 2 | 2 | 9 | 7 | 11/30/95 | PCT     |       |              |             |  |
| RLB | Q | 9               | 8 | 0 | 8 | 9 | 6 | 4 | 03/05/98 | PCT     |       |              |             |  |

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| RLB | R | deJong <i>et al.</i> , "Mammalian artificial chromosome pilot production facility: large-scale isolation of functional satellite DNA-based artificial chromosomes", <i>Cytometry</i> , 35:129-133 (1999) |
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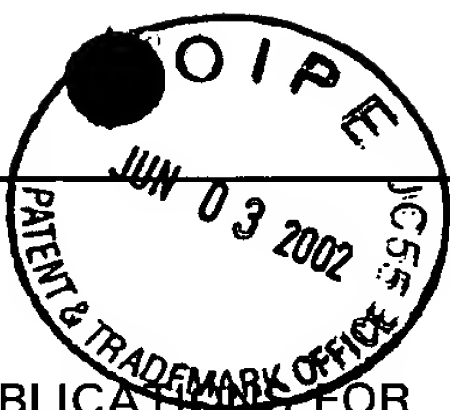
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STATEMENTATTY. DOCKET NO.  
24601-402GSERIAL NO.  
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| <del>S</del> | <del>DIALOG Abstract 007389041, citing: EP 0254 315</del>   |
| <del>T</del> | <del>DIALOG Abstract 007268905, citing: EP 0240 373 A1</del>  |
| RS U         | Green <i>et al.</i> , "Systematic screening of yeast artificial-chromosome libraries by use of the polymerase chain reaction", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :1213-1217 (1990)  |
| V            | Ikeno <i>et al.</i> , "Construction of YAC-based mammalian artificial chromosomes", <i>Nature Biotech.</i> , <u>16</u> :431-439 (1998)  |
| W            | Ioannou, <i>et al.</i> , "A new bacteriophage P1-derived vector for the propagation of large human DNA fragments", <i>Nature Genetics</i> , <u>6</u> :84-89 (1994)  |
| X            | McCormick <i>et al.</i> , Construction of human chromosome 21-specific yeast artificial chromosomes, <i>Proc. Natl. Acad. Sci. USA</i> 86:9991-9995 (1989)  |
| Y            | Miller <i>et al.</i> , "High-efficiency ligation and recombination of DNA fragments by vertebrate cells", <i>Science</i> , <u>220</u> :606-609 (1983)   |
| Z            | Pluta <i>et al.</i> , "Structure of the human centromere at metaphase", <i>TIBS</i> , <u>15</u> :181-185 (1990)   |
| AA           | Robertson <i>et al.</i> , "Germ-line transmission of genes introduced into cultured pluripotent cells by retroviral vector", <i>Nature</i> , <u>323</u> :445-448 (1986)   |
| AB           | Roth <i>et al.</i> , "Illegitimate Recombination in Mammalian Cells", Chapter 21 621-653  |
| AC           | Schneider <i>et al.</i> , "Procedure for production of hybrid genes and proteins and its use in assessing significance of amino acid differences in homologous tryptophan synthetase $\alpha$ polypeptides", <i>Proc. Natl. Acad. Sci. USA</i> , <u>78</u> (4):2169-2173 (1981) |
| AD           | Sternberg, "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :103-107 (1990)  |
| RS AE        | Weber <i>et al.</i> , "Formation of genes coding for hybrid proteins by recombination between related, cloned genes in <i>E. coli</i> ", <i>Nuc Acids Res</i> , <u>11</u> (16):5661-5669 (1983)   |

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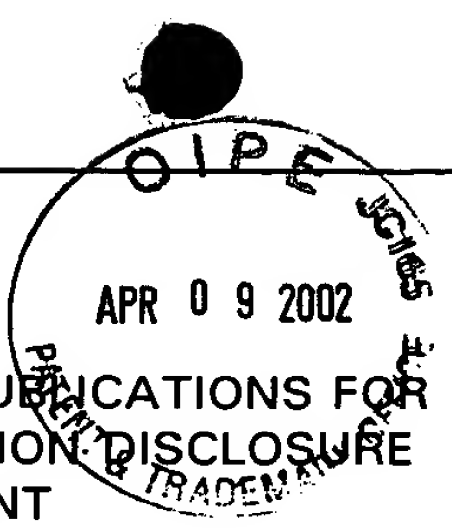
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| RPS                 | A | 5               | 0 | 8 | 1 | 0 | 1 | 8 | 01/14/92 | Grummt et al. | 435   | 69.1         | 02/13/91       |
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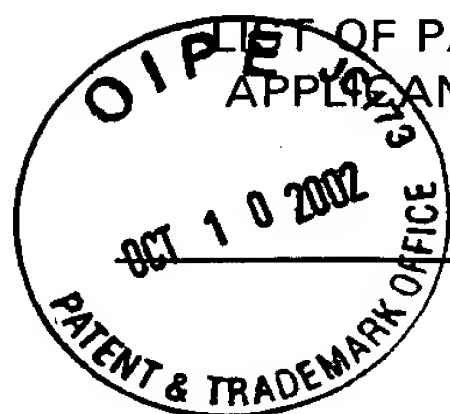
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November 28, 2000

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| RPB | A | Certified English translation of the Chinese article: Fu <i>et al.</i> "A Molecular Cytogenetic Study of an Extra Small Chromosome", <i>Acta Genetica Sinica</i> 19(4): 294-297 (1992) |
|     | B | <del>Fu <i>et al.</i>, Molecular cytogenetic study of an extra small chromosome, (CHINA), <i>Acta Genetica Sinica</i> 19(4):294-297 (1992)</del>                                       |
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